IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

What is claimed is:

1.   (Currently Amended): An image scanning method for a scanner, comprising:

[[b.]] using an image capturing element to perform image capturing on a scanning object;

[[c.]] using a preset calibration parameter to perform compensation and calibration for the captured image; and

[[d.]] completing image scanning for the object and repeating the using an image capturing element for a subsequent scanning object.

2.   (Currently Amended): The image scanning method of claim 1, further comprising:

holding the scanning object via a holding board;

capturing the image of the scanning object via an optical chassis comprising an image capturing element; and

storing [[a]] the preset calibration parameter via a control module comprising a read only memory (ROM) and using the stored calibration parameter to perform compensation and calibration for the captured image.

- 4 -

3.   (Previously Presented): The image scanning method of claim 2, wherein the holding the scanning object comprises holding the scanning object via the holding board comprising glass or acrylic material.

4.   (Previously Presented): The image scanning method of claim 2, wherein the capturing the image of the scanning object comprises capturing the image of the scanning object via the image capturing element of the optical chassis comprising a charge coupled device (CCD).

5.   (Previously Presented): The image scanning method of claim 2, further comprising:

projecting on the scanning object via a linear light source to generate a reflecting image;

reflecting the reflected image via one or more reflecting mirrors; and

refracting the reflected image through a lens to form an image on the image capturing element.

6.   (Previously Presented): The image scanning method of claim 2, further comprising moving the optical chassis along the holding board to scan the object via a driver.

7.   (Previously Presented): The image scanning method of claim 2, wherein the storing the preset calibration parameter comprises storing the preset calibration parameter via the control module comprising a selected system file.

8.   (Currently Amended): An image scanning method for a scanner, comprising:

[[a.]] performing a pre-scanning calibration to obtain a calibration parameter;

[[c.]] using an image capturing element to perform image capturing on a scanning object;

[[d.]] using the calibration parameter obtained at the performing of the pre-scanning calibration to perform compensation and calibration for the captured image;

[[e.]] completing image scanning for the object; and

[[f.]] performing one or more subsequent scannings of one or more subsequent scanning objects without performing a subsequent pre-scanning calibration.

- 5 -

9.   (Previously Presented): The image scanning method of claim 8, further comprising:

holding the scanning object via a holding board;

capturing the image of the scanning object via an optical chassis comprising an image capturing element; and

storing the calibration parameter obtained at the performing of the pre-scanning calibration via a control module comprising a random access memory (RAM) and using the stored calibration parameter during scanning operation to perform compensation and calibration for the captured image.

10.   (Previously Presented): The image scanning method of claim 9, wherein the holding the scanning object comprises holding the scanning object via the holding board comprising glass or acrylic material.

11.   (Previously Presented): The image scanning method of claim 9, wherein the capturing the image of the scanning object comprises capturing the image of the scanning object via the image capturing element of the optical chassis comprising a charge coupled device (CCD).

12.   (Previously Presented): The image scanning method of claim 9, further comprising:

projecting on the scanning object via a linear light source to generate a reflecting image;

reflecting the reflected image via one or more reflecting mirrors; and

refracting the reflected image through a lens to form an image on the image capturing element.

13.   (Previously Presented): The image scanning method of claim 9, further comprising moving the optical chassis along the holding board to scan the object via a driver.

14.   (Previously Presented): The image scanning method of claim 9, wherein the storing the calibration parameter comprises storing the calibration parameter obtained at the

- 6 -

performing of the pre-scanning calibration via the control module comprising a selected system file.

15.   (Currently Amended): An image scanning method for a scanner, comprising:
[[a.]] determining judging if a calibration parameter is stored and calculating a calibration parameter if no calibration parameter is stored;
[[c.]] using an image capturing element to perform image capturing on a scanning object;
[[d.]] using the calibration parameter obtained at the determining judging to perform compensation and calibration for the captured image; and
[[e.]] completing image scanning for the object and repeating c through d said image capturing and said compensation without further performing the determining judging.

16.   (Currently Amended): The image scanning method of claim 15, wherein the following are performed when the outcome of the determining judging is negative:
[[a1.]] performing pre-scanning and calculating a calibration parameter; and
[[a2.]] storing the calculated calibration parameter in the control module.

17.   (Previously Presented): The image scanning method of claim 15, further comprising:
holding the scanning object via a holding board;
capturing the image of the scanning object via an optical chassis comprising an image capturing element; and
storing the calibration parameter via a control module, and using the stored calibration parameter to perform compensation and calibration for the captured image.

18.   (Previously Presented): The image scanning method of claim 17, wherein the holding the scanning object comprises holding the scanning object via the holding board comprising glass or acrylic material.

19.   (Previously Presented): The image scanning method of claim 17, wherein the capturing the image of the scanning object comprises capturing the image of the scanning object

- 7 -

via the image capturing element of the optical chassis comprising a charge coupled device (CCD).

20.   (Previously Presented): The image scanning method of claim 17, further comprising:

projecting on the scanning object via a linear light source to generate a reflecting image;

reflecting the reflected image via one or more reflecting mirrors; and

refracting the reflected image through a lens to form an image on the image capturing element.

21.   (Previously Presented): The image scanning method of claim 17, further comprising moving the optical chassis along the holding board to scan the object via a driver.

22.   (Previously Presented): The image scanning method of claim 17, wherein the storing the calibration parameter comprises storing the calibration parameter via the control module comprising a selected system file.

23.   (Previously Presented): An article of manufacture, comprising: a storage medium having one or more instructions stored thereon that, if executed, result in:

using an image capturing element to perform image capturing on a provided scanning object;

using a preset calibration parameter to perform compensation and calibration for the captured image; and

completing image scanning for the object and repeating said using an image capturing element for a subsequent scanning object.

24.   (Previously Presented): The article of claim 23, wherein the instructions, if executed, further result in:

storing a preset calibration parameter via a control module comprising a read only memory (ROM); and

- 8 -

using the stored calibration parameter to perform compensation and calibration for the captured image.

25.   (Previously Presented): The article of claim 23, wherein the instructions, if executed, further result in:

storing a preset calibration parameter via a control module comprising a selected system file; and

using the stored calibration parameter to perform compensation and calibration for the captured image.

26.   (Previously Presented): An article of manufacture, comprising: a storage medium having one or more instructions stored thereon that, if executed, result in:

performing a pre-scanning calibration to obtain a calibration parameter;

using an image capturing element to perform image capturing on a provided scanning object;

using the calibration parameter obtained at the performing of the pre-scanning calibration to perform compensation and calibration for the captured image;

completing image scanning for the object; and

performing one or more subsequent scannings of one or more subsequent scanning objects without performing a subsequent pre-scanning calibration.

27.   (Previously Presented): The article of claim 26, wherein the instructions, if executed, further result in:

storing the calibration parameter obtained at the performing of the pre-scanning calibration via a control module comprising a random access memory (RAM); and

using the stored calibration parameter during scanning operation to perform compensation and calibration for the captured image.

28.   (Previously Presented): The article of claim 26, wherein the instructions, if executed, further result in:

- 9 -

storing the calibration parameter obtained at the performing of the pre-scanning calibration via a control module comprising a selected system file; and

using the stored calibration parameter during scanning operation to perform compensation and calibration for the captured image.

29.   (Currently Amended): An article of manufacture, comprising: a storage medium having one or more instructions stored thereon that, if executed, result in:

determining ~~judging~~ if a calibration parameter is stored and calculating a calibration parameter if no calibration parameter is stored;

using an image capturing element to perform image capturing on a provided scanning object;

using the calibration parameter obtained at the determining ~~judging~~ to perform compensation and calibration for the captured image; and

completing image scanning for the object and repeating the image capturing and the compensation without further performing the determining ~~judging~~.

30.   (Currently Amended): The article of claim 29, wherein the instructions, if executed, further result in the following when the outcome of the determining ~~judging~~ is negative:

performing pre-scanning and calculating a calibration parameter; and

storing the calculated calibration parameter in the control module.

31.   (Previously Presented): The article of claim 30, wherein the instructions, if executed, further result in:

storing the calibration parameter via a control module; and

using the stored calibration parameter to perform compensation and calibration for the captured image.

32.   (Previously Presented): The article of claim 30, wherein the instructions, if executed, further result in:

- 10 -

storing the calibration parameter via a control module comprising a selected system file; and

using the stored calibration parameter to perform compensation and calibration for the captured image.

33.   (Previously Presented): An apparatus, comprising:

means for performing image capturing on a provided scanning object;

means for using a preset calibration parameter to perform compensation and calibration for the captured image; and

means for completing image scanning for the object.

34.   (Previously Presented): The apparatus of claim 33, further comprising:

means for storing a preset calibration parameter via a control module comprising a read only memory (ROM); and

means for using the stored calibration parameter to perform compensation and calibration for the captured image.

35.   (Previously Presented): The apparatus of claim 33, further comprising:

means for storing a preset calibration parameter via a control module comprising a selected system file; and

means for using the stored calibration parameter to perform compensation and calibration for the captured image.

36.   (Previously Presented): An apparatus, comprising:

means for performing image capturing on a provided scanning object; and

means for performing a pre-scanning calibration to obtain a calibration parameter, for using the calibration parameter obtained at the performing of the pre-scanning calibration to perform compensation and calibration for the captured image, and for performing one or more subsequent scannings of one or more subsequent scanning objects without performing a subsequent pre-scanning calibration.

37.   (Previously Presented): The apparatus of claim 36, further comprising:

means for storing the calibration parameter obtained at the performing of the pre-scanning calibration via a control module comprising a random access memory (RAM); and

means for using the stored calibration parameter during scanning operation to perform compensation and calibration for the captured image.

38.   (Previously Presented): The apparatus of claim 36, further comprising:

means for storing the calibration parameter obtained at the performing of the pre-scanning calibration via a control module comprising a selected system file; and

means for using the stored calibration parameter during scanning operation to perform compensation and calibration for the captured image.

39.   (Currently Amended): An apparatus, comprising:

means for performing image capturing on a provided scanning object;

means for determining ~~judging~~ if a calibration parameter is stored and calculating a calibration parameter if no calibration parameter is stored, for using the calibration parameter obtained at the determining ~~judging~~ to perform compensation and calibration for the captured image, and for completing image scanning for the object and repeating the image capturing and the compensation without further performing the determining ~~judging~~.

40.   (Currently Amended): The apparatus of claim 39, further comprising:

means for performing pre-scanning and calculating a calibration parameter when the outcome of the determining ~~judging~~ is negative; and

means for storing the calculated calibration parameter in the control module.

41.   (Previously Presented): The apparatus of claim 40, further comprising:

means for storing the calibration parameter via a control module; and

means for using the stored calibration parameter to perform compensation and calibration for the captured image.

42.   (Previously Presented): The apparatus of claim 40, further comprising:

- 12 -

means for storing the calibration parameter via a control module comprising a selected system file; and

means for using the stored calibration parameter to perform compensation and calibration for the captured image.

- 13 -